

DECUS NO.

8-505

TITLE

BIN-CBL EXTENDED MEMORY LOADER

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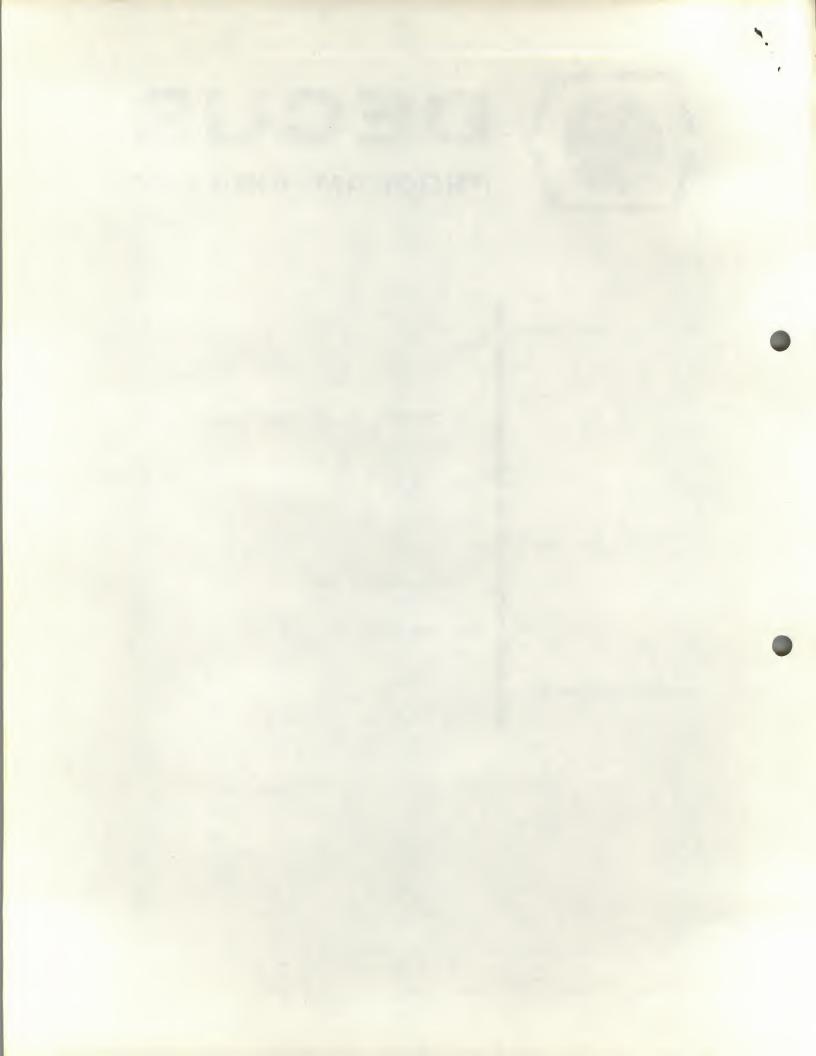
DATE

November 1971

SOURCE LANGUAGE

PAL III

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BIN-CBL EXTENDED MEMORY LOADER

DESCRIPTION:

THIS LOADER RETAINS ALL FEATURES OF DECUS 8-338 (AUTOMATIC SELECTION OF EITHER BIN OR CBL FORMAT ETC.) IN ADDITION IT RECOGNIZES THE FIELD DESIGNATION CHARACTERS ON BINARY OR CBL TAPE SO THAT IT ALLOWS ONE TO LOAD A PROGRAM TO ANY MEMORY FIELD.

RESTRICTIONS:

LOW SPEED INPUT ONLY. PDP 8/E COMPUTER ONLY (BECAUSE OF USE OF BSW INSTRUCTION WHICH IS UNIQUE TO PDP 8/E).

LOADING:

BIN-CBL EXT. MEM. LOADER IS LOADED BY RIM LOADER (THE RIM LOADER CAN BE PLACED IN ANOTHER MEMORY FIELD OR, AFTER MINOR CHANGES, IN ANOTHER MEMORY PAGE OF THE SAME FIELD WHERE BIN-CBL EXT. MEM. RESIDES).

OPERATION:

THE STARTING ADDRESS IS 7700.

THE LOADING OPERATION IS SIMILAR TO THE XCBL OR BINARY LOADER (CHECKSUM ERROR IN AC AFTER LOADING, CONTINUE KEY TO LOAD NEXT TAPE, ETC.).

TO OVERRIDE THE FIELD DESIGNATION CHARACTER ON A TAPE REPLACE INSTRUCTION CDF=6201
IN LOCATION 7777 BY 0000.

REFERENCES:

XCBL DECUS 8-26A
BIN AND CBL LOADER DECUS 8-338

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*7600
7600 0900 CKSM, 0
7601 0070 MASK, 0070
 7602 0000 ASSEMB, 0
 7603 1232 TAD STOR
7604 7106 CLL RTL
7605 7006 RTL
 7606 7006
                                             RTL.
 7607 1260
7610 5602
                                           TAD WD2
                                            JMP I ASSEMB
                                          Ø
JMS READ
 7611 0000 PAIR,
 7612 4346
7613 7106
7614 7006
                                          CLL RTL
                                            RTL
7615 3260
7616 4346
                                            DCA WD2
7616 4346 JMS READ
7617 0235 AND LMASK
7620 4353 JMS HELP
7621 3232 DCA STOR
7622 6036 KRB
7623 7106 CLL RTL
7624 7006 RTL
7625 0277 AND HMASK
7626 3260 DCA WD2
7627 4346 JMS READ
7630 4353 JMS HELP
7631 5611 JMP I PAIR
7632 0000 STOR, 0
7633 3776 DCA I ADR
7634 2376 ISZ ADR
7635 0017 LMASK, 0017
                                           JMS READ
                                           DCA I ADR
 7635 0017 LMASK, 0017
7635 0017 LMASK, 0017
7636 2202 ISZ ASSEMB
7637 5632 JMP I STOR
7640 5261 JMP BLCK
7641 4211 MAIN, JMS PAIR
7642 7600 M200, 7600
7643 1232 TAD STOR
7644 4232 JMS STOR
7645 1260 TAD WD2
7646 4232 JMS STOR
7647 5265 JMP MORE
7650 4346 START, JMS READ
7651 7440 SZA
7652 5250 JMP •-2
JMS READ
7653 4346
7654 3200
7655 1377
7656 6034
7657 3260
                                             JMS READ
                                          DCA CKSM
                                         TAD CCDF
KRS
                                            DCA .+1
7660 0000 WD2, 0
7661 4211 BLCK, JMS PAIR
7662 3202 DCA ASSEMB
7663 1232
                              TAD STOR
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7664	3376	- Manual angle Reporter Type	DCA	ADR
7665	1202	MORE,	TAD	ASSEMB
7666	7640		SZA	CLA
7667	5241		JMP	MAIN
7670	1200	END,	TAD	CKSM
7671	2200		ISZ	CKSM
7672	5277		JMP	
7673	5250		JMP	
7674	4202	BEND,	JMS	ASSEMB
7675	7041		CIA	
7676	5270		JMP	END
7677	7402	HMASK,	HLT	200
7700	6032	ENTER,	KCC	
7701	1322	211 2 2117	TAD	NO
7702	3341		DCA	
7703	4365	BEGIN,	JMS	
7704	5303	2441117	JMP	
7705	1211		TAD	
7706	7650		SNA	
7707	5253		JMP	
7710	3200	GO,	DCA	
7711	1211	403	TAD	
7712	0242			
7713	7650		AND	
			SNA	
7714	5322		JMP	
7715	1211		TAD	
7716	0201		AND	MASK
7717	1377		TAD	
7720	3341		DCA	
7721	4365		JMS	BECC
7722	7000	NO.	NOP	
7723	1211		TAD	PAIR
7724	3232		DCA	STOR
7725	4346		JMS	READ
7726	3260		DCA	MDS
7727	4365		JMS	BECC
7730	5274			BEND
7731	4202			ASSEMB
7732	7420		SNL	
7733	5341			MEMFLD
	3376			ADR
7735	1232	CHEX,		STOR
	1260		TAD	
7737	1500			CKSM
7740	5310		JMP	GO
7741	0000	MEMFLD,	Ø	
7742	3776		DCA	I ADR
7743	2376		ISZ	ADR
7744	7000		NOP	
7745	5335		JMP	CHEX
7746	0000	READ,	Ø	
7747	6031		KSF	
7750	5347		JMP	1
7751	6036		KRB	

7752	5746		JMP	I READ
7753	0000	HELP,	Ø	
7754	1260		TAD	WD2
7755	3260		DCA	MD5
7756	1260		TAD	
7757	1200		TAD	CKSM
7760	7430		SZL	
7761	7101		IAC	CLL
7762	3200		DCA	CKSM
7763	1260		TAD	
7764	5753		JMP	I HELP
7765	0000	BECC,	Ø	
7766	4346		JMS	READ
7767	3211		DCA	PAIR
7770	1211		TAD	PAIR
7771	1242		TAD	MEDO
7772	7650		SNA	CLA
7773	5765		JMP	I BECC
7774	2365		152	BECC
7775	5765		JMP	I BECC
7776	0000	ADR.	Ø	
7777	6201	CCDF,	6201	
ADR	777	6		
ASSEMI	3 760	5		
BECC	776	5		
BECIN	773			
BEND	767			
BLCK	766			
CCDF	777			
CHEX	773			
CKSM	760			
END	767			
ENTER	770			
CO	771			
HELP	775			
HMASK	767			
LMASK MAIN	763 764			
MASK	760			
MEMFLI				
MORE	766			
M200	764			
NO	772			
PAIR	761			
READ	774			
to the same of the		-		

7650

7632

7660

START STOR

WDS